

What is claimed is:

- 1 1. A halogen lamp of a 12V type, comprising:
2 a glass part, a portion of which is a light emitting portion
3 having a space therein and the rest of which is a sealing portion,
4 both portions being made of quartz glass;
5 an infrared reflective coating formed to cover an outer
6 surface of the glass part;
7 a filament which, supported by the sealing portion, is
8 provided in the inner space of the light emitting portion;
9 a molybdenum foil which is embedded in the sealing portion
10 and is electrically connected to the filament; and
11 a power supply line, one end of which is connected to the
12 molybdenum foil, the other end being exposed to outside the glass
13 part, wherein
14 $450\text{mm}^2 \leq S_b \leq 650\text{mm}^2$ and $S_e \geq -0.35S_b + 520$, in which S_b
15 designates an outer surface area of the light emitting portion
16 and S_e designates an outer surface area of the sealing portion,
17 are satisfied.
- 1 2. The halogen lamp of Claim 1, wherein
2 the light emitting portion of the glass part is either
3 substantially spheroid or substantially spherical.
- 1 3. The halogen lamp of Claim 1 having 45 to 80 wattage
2 inclusive.
- 1 4. A halogen lamp with a reflecting mirror, comprising:
2 the halogen lamp defined in Claim 1; and

3 a reflecting mirror which is attached to the halogen lamp
4 so as to surround the halogen lamp.